



Erick Vázquez



[Personal Web](#)



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[vazeri](#)



(55) 2526 7770

30 years, single, travel availability, passport, driver's license, American and Canadian (tourist) visas. Currently living in Mexico City and Cuernavaca, Morelos

EDUCATION

Instituto Politécnico Nacional

Ing. en Comunicaciones y Electrónica
2010 - 2015 | License 10347988

SKILLS

INTELLECTUAL PROPERTY

- Copyright and Copyleft
- Utility models
- Industrial designs
- Trademarks
- State of the art search

ELECTRÓNICS

- Schematic and PCB design
- SMD Packages
- Lab Equipment
- Production Management
- Microcontrollers
- Electrical and grounding systems

CODING

C, C++, C#, LaTeX, HTML, CSS
PHP, Python, JavaScript.

Tecnologies:

Ubuntu Server, Debian, Github (VCS)
AWS, Bootstrap, MQTT, Android

COMPUTER NETWORKS

- Telecommunication rooms
- Structured cabling
- Technical reports
- Proposals and implementations

GRAPHIC DESIGN

- Branding
- Vector Art and Animation
- Screen Printing
- Interface design
- 3D CAD Modeling
- Post-production

SPANISH - ENGLISH

Native language | A2 Level

OTHER

United Nations Online Volunteer

2 Acknowledgments (👍)

24 Independent Courses (👍)

3 Publications (👍)

EXPERIENCE

TECHNICAL REPRESENTATIVE

1 Year 2 Months | Jun 2016 – Today | Ahorratec.org

Technology startup, I started the project with the intention of applying the TRL methodology of NASA, and to participate in CONACYT'S Fund of Technological Innovation 2017.

- I designed and built an online energy monitoring system (👍).
- Deployed of the information system along its SEO optimization.
- Management of component suppliers abroad (United States, England and China.)
- Recruitment and selection of personnel for the launch of the platform.
- Did State-of-the-Art/Patent Searches (IMPI) and Market Validations.
- Deployment of hosting VPS Amazon Web-services (EC2, S3, Route 53)
- Development of the Ahorratec app for Android, published at GooglePlay (👍)
- I closed the project due to the "call for projects" not being published by CONACYT.

PROJECT LEADER

7 Months | Oct 2015 - May 2016 | Secc. de Estudios de Posgrado e Investigación

ESIME SEPI IPN, I offered the installation of the telecommunications room and the trace of electrical plans in a 600m² industrial warehouse as part of my social service.

- Wrote the preliminary project, quotes and selection of personnel
- Coordinated a team (8 people), under the standard TIA-568B (46 nodes).
- Electrical and single-plane survey of a three-phase system (using ANCE standard).

PROJECT ENGINEERING ASSISTANT

8 Months | Jun 2014 – Feb 2015 | Museo interactivo de economía

Joined the IT department to help the museum in the development of hardware and software and maintenance of exhibitions within Museum.

- Component and sample acquisition (Newark and Digikey).
- Designed and built a charging circuit of 4 iPad Air simultaneously.
- Updated art exhibitions based on AVR micro controllers (ATMEGA328p)
- Design of led panels and moldings for room lights controlled by PWM.
- Developed, an automated teller machine using MEI devices CF7000 and SCI6628R, currently used in the exhibition say Print your ticket.
- I left the job the last year of my career, to face the last 2 semesters, Research Thesis and Social Service in time and form.

SALES REPRESENTATIVE

4 Years 8 Months | Apr 2006 – Dec 2010 | Corseteria Petite Juliet

Women clothing micro-business.

- Counter sales, invoicing, inventories, customer service, and returns.
- Support in administrative activities.
- Development of a local inventory control system.
- Branding and identity creation (Logo, uniforms, and advertising campaigns).
- I finished the relationship, to dedicate full time to my Bachelor degree studies